



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Chang, et al. §
Serial No.: 10/634,662 § Group Art Unit: 1762
Confirmation No.: 6355 §
Filed: August 4, 2003 § Examiner: Wesley D. Markham
For: Ruthenium Layer §
Formation for Copper Film §
Deposition §

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

CERTIFICATE OF MAILING 37 CFR 1.8	
I hereby certify that this correspondence is being deposited on May 23, 2005 with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.	
<u>5/23/05</u> Date	<u>Wesley D. Markham</u> Signature

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

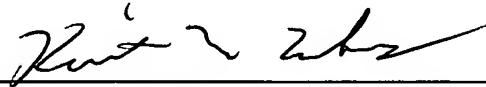
While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AMAT/5975.P1/KMT.

Respectfully submitted,



Keith M. Tackett
Registration No. 32, 008
MOSER, PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd. Suite 1500
Houston, TX 77056
Telephone: (713) 623-4844
Facsimile: (713) 623-4846
Attorney for Applicant(s)



Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of

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Application Number	10/634,662
Filing Date	August 4, 2003
First Named Inventor	Chang, et al.
Group Art Unit	1762
Examiner Name	Wesley D. Markham
Attorney Docket Number	AMAT/5975.P1/CPI/COPPER/LB/PJS

Submission Date

May 23, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A1		US-6887795	05/03/2005	SOININEN, ET AL.	
A2		US-6800937	10/05/2004	MARSH, ET AL.	
A3		US-6800542	10/05/2004	KIM	
A4		US-6780758	08/24/2004	DERDERIAN, ET AL.	
A5		US-6744138	06/01/2004	MARSH	
A6		US-6743739	06/01/2004	SHIMAMOTO, ET AL.	
A7		US-6737317	05/18/2004	MARSH, ET AL.	
A8		US-6627995	09/30/2003	PARANJPE, ET AL.	
A9		US-6596602	03/25/2003	RUESCHER, ET AL.	
A10		US-6576778	06/10/2003	UHLENBROCK, ET AL.	
A11		US-6541067	04/01/2003	MARSH, ET AL.	
A12		US-6517616	02/11/2003	MARSH, ET AL.	
A13		US-6338991	01/15/2002	ZHANG, ET AL.	
A14		US-6114557	09/05/2000	UHLENBROCK, ET AL.	
A15		US-20040241321	12/02/2004	GANGULI, ET AL.	
A16		US-20040105934	06/03/2004	CHANG, ET AL.	
A17		US-20040038529	02/26/2004	SOININEN, ET AL.	
A18		US-20040005753	01/08/2004	KOSTAMO, ET AL.	
A19		US-20030212285	11/13/2003	UHLENBROCK, ET AL.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B1		WO 03/056612	07/10/2003	GENITECH CO., LTD.		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	International Search Report dated March 11, 2005 regarding International Application No. PCT/US2004/024805 (AMAT/5975PC02PCT)	

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.